

8b. Purpose: Describe the purpose, need and intended use of the activity:

The purpose is to provide a disposal area for coarse coal refuse generated by the mine's coal cleaning (preparation) plant. The disposal area is needed to sustain mining operations at American Energy Corporation's Century Mine. The proposed site has an estimated disposal life of 7 to 9 years.

8c. Discharge of dredged or fill material: Describe type, quantity of dredged material (in cubic yards), and quantity of fill material (in cubic yards). (OAC 3745-1-05(B)(2)(a))

The refuse (fill) material consists of carbonaceous shale, claystone, limestone, and coarse coal reject. The volume of coarse coal refuse produced annually is estimated to range from 1.5 to 1.8 million cubic yards.

9. Waterbody and location of waterbody or upland where activity exists or is proposed, or location in relation to a stream, lake, wetland, wellhead or water intake (if known). Indicate the distance to, and the name of any receiving stream, if appropriate.

Coarse coal refuse will be placed in an unnamed ravine in the Piney Creek drainage basin. The new disposal facility will be located approximately 1,100 feet up-stream of Piney Creek

10. To address the requirements of the Antidegradation Rule, your application must include a report evaluating the:

- ☐ Preferred Design (your project) and Mitigative Techniques
- ☐ Minimal Degradation Alternative(s) (scaled-down version(s) of your project) and Mitigative Techniques
- ☐ Non-Degradation Alternative(s) (project resulting in avoidance of all waters of the state)

At a minimum, item a) below must be completed for the Preferred Design, the Minimal Degradation Alternative(s), and the Non-Degradation Alternative(s), followed by completion of item b) for each alternative, and so on, until all items have been discussed for each alternative (see Primer for specific instructions). (Application and review requirements appear at OAC 3745-1-05(B)(2), OAC 3745-1-05(C)(6), OAC 3745-1-05(C)(1) and OAC 3745-1-54).

- 10a) Provide a detailed description of any construction work, fill or other structures to occur or to be placed in or near the surface water. Identify all substances to be discharged, including the cubic yardage of dredged or fill material to be discharged to the surface water. (OAC 3745-1-05(B)(2)(b))
- 10b) Describe the magnitude of the proposed lowering of water quality. Include the anticipated impact of the proposed lowering of water quality on aquatic life and wildlife, including threatened and endangered species (include written comments from Ohio Department of Natural Resources and U.S. Fish and Wildlife Service), important commercial or recreational sport fish species, other individual species, and the overall aquatic community structure and function. Include a Corps of Engineers approved wetland delineation. (OAC 3745-1-05(C)(6)(a, b) and OAC 3745-1-54)